

ABSTRACT

The Chronological Data Record Access (“CDRA”) is an internal chain that is used in a Memory Based Database Environment (MBE) to propagate records stored in volatile memory to other mirrored systems, databases, disks, etc. The CDRA associates the latest
5 modified version of a data record and is used to process modified records without the need to queue or move the data image. The CDRA creates support in a shared-nothing environment and time-sequenced handling of information updates so that all entities may work with current information in a timely fashion.